

# 1310 NSK 50x110x27mm Oil rpm 6700 Self aligning ball bearings

|                                  |   |
|----------------------------------|---|
| Bearing number                   | 1310  |
| Size (mm)                        | 50x110x27   |
| Brand                            | NSK   |
| Bore Diameter (mm)               | 50  |
| Outer Diameter (mm)              | 110   |
| Width (mm)                       | 27  |
| d                                | 50 mm   |
| D                                | 110 mm  |
| B                                | 27 mm   |
| C                                | 27 mm   |
| r min.                           | 2 mm  |
| da min.                          | 50 mm   |
| Da max.                          | 101 mm  |
| ra max.                          | 2 mm  |
| Weight                           | 1.25 Kg   |
| Basic dynamic load rating (C)    | 43.5 kN   |
| Basic static load rating (C0)    | 14.1 kN   |
| (Grease) Lubrication Speed (GSI) | 5 600 r/min   |
| (Oil) Lubrication Speed (OSI)    | 6 700 r/min   |
| Calculation factor (e)           | 0.23  |
| Calculation factor (Y0)          | 2.8   |
| Calculation factor (Y2)          | 4.2   |
| SE                               | 7.5   |
| Y3                               | 2.7   |
| hi4Y0d1                          | 1310  |
| LangID                           | 1   |
| PCD                              | 80.6  |
| D                                | 110   |
| Y2                               | 4.2   |
| SREX                             | 0   |
| cyl count                        | 13  |
| R                                | 27  |
| CAD                              | <a href="http://service.web2cad.co.jp/pcor/Maker-NSK_R&amp;info=nsk_rb/roller_bearings/self_aligning_bb/cylindrical_bore_asmb-prj&amp;varset={STAN-1, (ORDER=1310), (S0=50), (D=110), (B=27), (R=2.8), (CR1=43500), (COR1=14100), (CR2=44500), (COR2=14400), (LG=5600), (LO=6700), (DA1=50.0), (DA2=101.0), (RA=2.0), (E=0.23), (Y2=4.2), (Y3=2.70), (Y0=2.80), (MSS=1.250)}">http://service.web2cad.co.jp/pcor/Maker-NSK_R&amp;info=nsk_rb/roller_bearings/self_aligning_bb/cylindrical_bore_asmb-prj&amp;varset={STAN-1, (ORDER=1310), (S0=50), (D=110), (B=27), (R=2.8), (CR1=43500), (COR1=14100), (CR2=44500), (COR2=14400), (LG=5600), (LO=6700), (DA1=50.0), (DA2=101.0), (RA=2.0), (E=0.23), (Y2=4.2), (Y3=2.70), (Y0=2.80), (MSS=1.250)}</a> |
| hdTable                          | ecat_H55AB  |
| G1 rpm                           | 6700  |
| SE                               | 0   |
| Y0                               | 2.8   |
| maxc                             | 1.25  |
| ra                               | 2   |
| GSI rpm                          | 5600  |
| SRI                              | 0.865   |
| groove inner                     | 66.303  |
| Q <sub>a</sub>                   | 301   |
| SRI                              | 0   |
| C0                               | 14.1  |
| groove outer                     | 95.852  |
| SREN                             | 0   |
| X0                               | 1   |
| Prod_Type3                       | SAB0_SA_CB  |
| X1                               | 1   |
| da                               | 50  |
| X2                               | 0.65  |
| e                                | 0.23  |
| y0d1                             | 1310  |
| r                                | 2   |
| KBRG                             | 1352  |
| CAnG                             | 8.816   |
| cyl dia                          | 14.288  |
| calcort                          | /bearingguide/html/calculation.jsp  |